SIEMENS

SIREMOBIL Iso-C

SP

Update Instructions SP009/03/P

Title: Checking the horizontal swivel

Reason for Update:		☒ Performance
Urgency:	☐ Immediate	☒ Within 3 months
Update material required?	☐ Yes	☒ No
Materials free of charge?	☐ Yes	☐ No
Return of parts?	☐ Yes	☒ No
Estimated completion time:	0.5	Number of CSE's:1
Customer application training?	☐ Yes	☒ No

Systems/Products affected/System identifying IVK

Name	Material No.	Serial No.
SIREMOBIL Iso-C	28 29 450	see page 2
POWERMOBIL	28 30 011	see page 2

Remark: n.a.

Components affected/to be modified

Name	Material No.	Serial No.	Component status affected
n.a.	n.a.	n.a.	n.a.

Remark: n.a.

Chg. Ref. No.: SP-C-03.0134
Name: Friedrich
Dept.: CS PS 24

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Systems/Products Affected

Name	Part No.	Serial No.
SIREMOBIL Iso-C	28 29 450	1002, 1009, 1061, 1115, 1171, 1230, 1237, 1261, 1319, 1327, 1351, 1378, 1432, 1450, 1483, 1497, 1503, 1508, 1548, 1582, 1597, 1611, 1680, 1721
POWERMOBIL	28 30 011	1002, 1015, 1022, 1039, 1053, 1075

Tab. 1

Reason for the Update

The C-arm can be swiveled about the chassis column by $\pm$ 10° in the horizontal plane.

The end stop for the horizontal swivel movement is mounted on the chassis column (inside the unit). The end stop is attached to the column with a clamping screw (torque).

The purpose of this update is to check the torque of the clamping screw.

This is to verify calculated and experimental results of a failure investigation which has been carried out in the factory.

Prerequisites

n.a.

Special Tools / Documents

Standard service tools

1 Allen key set

Torque wrench (calibrated) for 20/ 25/ 28 Nm

Torque wrench extension of at least 250 mm length

6 mm Allen socket

Ground wire tester e. g. 44 15 899

Ordering Information

No parts necessary.

Contents of the Update Kit

n.a.

Return of Parts

n.a.

General Safety Note

⚠WARNING

Avoidance of light to serious (possibly fatal) injuries and avoidance of material damage.

Observe the product-specific safety information contained in the System Binder and in the Service Instructions SPR2-240.898.01... or SPR2-230.061.01... as well as the safety notes in ARTD Part 2.

After all work has been completed and all covers have been attached, perform the ground wire test according to ARTD-002.731.17. The ground wire resistance must not exceed 0.2 ohms.

Work Steps

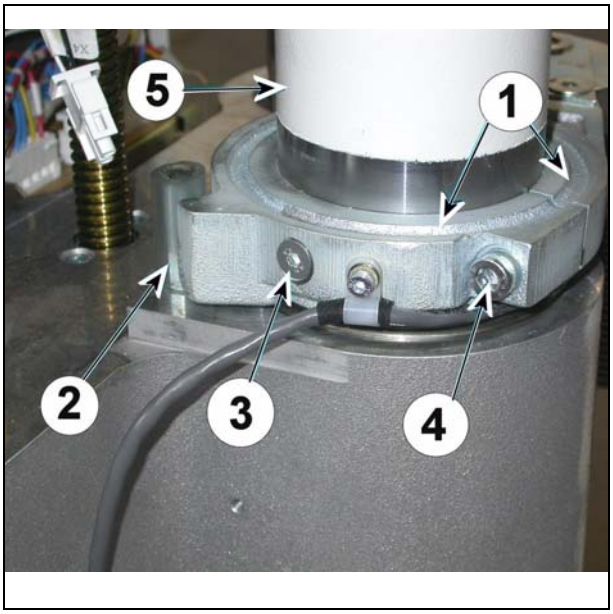

Fig. 1

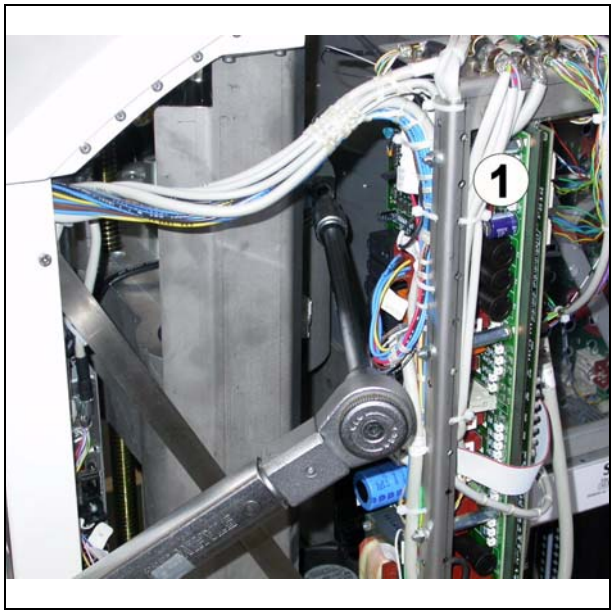

Fig. 2

- Switch the system on.
- Move the lifting column to the center height.
- Switch the system off and disconnect it from the power supply.
- Remove the cover of the C-arm chassis.
- If a POWERMOBIL system is used, also release the lock of the host frame and pull the frame out into the service position (D1 and D30, see 1/Fig. 2).
- Swivel the C-arm so that the end stop (1/Fig. 1) rests against the stop bolt (2/Fig. 1).

NOTE	**The end stop (1/Fig. 1) is fastened to the vertical tube (5/Fig. 1) with the clamping screw (4/Fig. 1) (clamping). Although the fixing screw (3/Fig. 1) mainly holds the end stop in place rather than contributing to its secure attachment on the vertical tube, a damaged fixing screw indicates insufficient attachment of the end stop to the vertical tube.**

- Check the fixing screw (3/Fig. 1).
  The screw must not be missing or have been pulled off.

NOTE	**If the screw has been pulled off or is missing, shut the system down and contact the factory regarding repair via your local USC / TSC.**

- Check the clamping screw (4/Fig. 1) with the torque wrench, extension and 6 mm Allen socket as follows:

  - Tighten with 20 Nm. The clamping screw must be tightened firmly and it must not be possible to tighten it further. Enter the result of the check in the reply FAX.

- Tighten with 25 Nm. The clamping screw must be tightened firmly and it must not be possible to tighten it further. Enter the result of the check in the reply FAX.

- Tighten with 28 Nm. The clamping screw must be tightened firmly and it must not be possible to tighten it further. Enter the result of the check in the reply FAX.

NOTE **Fig. 2 shows the accessibility to the clamping screw (4/Fig. 1) for POWERMOBIL systems.**

- If a POWERMOBIL system is used, push the host frame back in and fasten it.
- Close the cover.
- Perform a function test of the system.
  In doing so, ensure that the horizontal swivel range of the C-arm (±10°) is centric around the longitudinal axis of the C-arm chassis.

Final Check

- Perform the protective ground wire test according to ARTD-002.731.17

Customer Information

n.a.

Final Work Steps

- Fill out the enclosed form "Completion Protocol and Reply FAX", if necessary copy it and send it to the FAX number +49 (9131) 84 8670.
  Then file the form in the corresponding system folder or operator manual.
- Updates that have already been completed prior to publication of this UI must also be reported.
- The update is reported as follows:
  - The modification reply cards (Type 606) previously distributed with the publication of updates no longer apply.
  - The modification reply report has to be prepared by authorized personnel using an application on the Intranet.

Changes to Previous Version

n.a.

Completion Protocol and Reply FAX

The update with the number **SP009/03/P** has been completed.

Material number: .....

Serial number: .....

Customer: ..... Functional Location: .....

Customer No.: .....

Name (CSE): ..... Telephone (CSE): .....

Country: ..... Location: .....

Date: ..... Signature: .....

Remark: .....

.....

Check of the clamping screw (please check off)

20 Nm	In the check with 20 Nm the clamping screw was firmly tightened and could not be tightened further.	**Yes** ❒	**No** ❒
25 Nm	In the check with 25 Nm the clamping screw was firmly tightened and could not be tightened further.	**Yes** ❒	**No** ❒
28 Nm	In the check with 28 Nm the clamping screw was firmly tightened and could not be tightened further.	**Yes** ❒	**No** ❒

NOTE

After the update is completed copy this page and send it filled out to the FAX number ++49 (9131) 84 8670 (Siemens AG, Medical Solutions, CS PS 24, Mr. Friedrich).

Then file this page in the corresponding system folder/operator manual.